



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 29, 2015

Kate Ingram
Senior Prod Reg Specialist
Solenis LLC
Hercules Road
Wilmington, DE 19808

Subject: Notification per PRN 98-10 – Administrative label updates
Product Name: Spectrum XD9400 microbiocide agent
EPA Registration Number: 74655-19
Application Date: April 23, 2015
Decision Number: 506160

Dear Ms. Ingram:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

If you have any questions, you may contact Wanda Henson at (703) 308-6345 or via email at henson.wanda@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Wanda J. Henson, for".

Demson Fuller, Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

SPECTRUM™ XD9400 MICROBIOCIDAL AGENT

ACTIVE INGREDIENT

Sodium Bromide.....40.0%
OTHER INGREDIENTS.....60.0%
TOTAL.....100.0%

Contents: liquid

Pounds per gallon: 11.9 lb/gal (70°F)

EPA Reg. No. 74655-19

EPA Est. No.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

CAUTION: Causes moderate eye and skin irritation. Avoid contact with eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or going to the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge into lakes, streams, ponds or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS:

Sodium bromide is not flammable. However, in fires fueled by other materials, hydrogen bromide or bromine may be released. In case of fire, wear self-contained breathing apparatus.

For Industrial Use.

MADE IN USA

Produced for Solenis LLC

Solenis LLC

500 Hercules Road

Wilmington, DE 19808

302-594-5000

Emergency Phone Number

1-844-SOLENIS (1-844-765-3647)

NOTIFICATION

74655-19

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/29/2015

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED:

Move person to fresh air. If person is not breathing, call 911 or ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

FOR EMERGENCY INFORMATION CALL

1-844-SOLENIS (1-844-765-3647)

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Keep product dry in tightly closed original container when not in use. Store in a cool, dry, well ventilated area. Product should be stored at 50°F (10°C) or above.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **DO NOT REUSE EMPTY CONTAINER.**

CONTAINER HANDLING – Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning, if appropriate. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

FOR USE AS A DISINFECTANT, BACTERICIDE, SLIMICIDE, ALGICIDE AND MOLLUSK CONTROL AGENT FOR CONTROL OF MICROBIAL SLIME IN RECIRCULATING COOLING WATER SYSTEMS, BREWERY PASTEURIZING SYSTEMS, AIR WASHERS, ONCE THROUGH COOLING WATER AND WASTEWATER TREATMENT SYSTEMS, AND PULP AND PAPER MILLS

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

RECIRCULATING COOLING WATER SYSTEMS, INCLUDING AIR WASHERS AND BREWERY PASTEURIZERS:

When used as directed, this product effectively controls algal, bacterial, fungal slime and controls the settlement and growth of mollusks such as the zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in commercial and industrial cooling towers, influent water systems such as flow through filters, heat exchange water systems and industrial water scrubbing systems.

DOSAGE RATES: Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example: 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution 2) 1.3 to 21.2 gallons of sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0003 to 0.024 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.040 pound gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.007 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water). **SUBSEQUENT DOSE:** When microbial control is evident, add 0.0002 to 0.024 gallon of this product per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.040 pound gas chlorine per 1000 gallons of contained water), or sodium hypochlorite (0.003 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water).

ONCE-THROUGH COOLING WATER AND WASTE WATER TREATMENT SYSTEMS:

When used as directed, this product effectively controls algal, bacterial and fungal slime and controls the settlement and growth of mollusks such as the zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once-through fresh and sea water cooling systems and disinfects secondary and tertiary wastewater treatment systems.

DOSAGE RATES: Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example: 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution 2) 1.3 to 21.2 gallons of sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0008 to 0.049 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.02 to 0.08 pound gas chlorine per 1000 gallons of contained volume), or sodium hypochlorite (0.02 to 0.06 gallon of 12.5% sodium hypochlorite solution per 1000 gallons of contained volume). **SUBSEQUENT DOSE:** When microbial control is evident, add 0.0003 to 0.049 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.08 pound gas chlorine per 1000 gallons of contained volume), or sodium hypochlorite (0.006 to 0.06 gallon of 12.5% sodium hypochlorite solution per 1000 gallons of contained volume).

PULP & PAPER MILLS:

When used as directed, this product effectively controls algal, bacterial and fungal slime in pulp and paper mill fresh and sea water influent water systems, cooling water systems, wastewater treatment systems, non potable water systems and other process water.

DOSAGE RATES: Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example: 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution 2) 1.3 to 21.2 gallons of sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution. Add sufficient amount of this product and oxidize with either gas chlorine or sodium hypochlorite solution to achieve a residual bromine level of 0.5 to 5 ppm or as needed to maintain control of the system.

This product can be added whenever chlorination is applied.

Feed this product either before or after the oxidant injection point into the water to be treated. Be sure rapid mixing of the treated water, the product and oxidant is achieved. Pump manufacturers can recommend the appropriate materials of construction and capacity for a pump to feed this product or sodium hypochlorite solution. If used as the oxidant, chlorine gas must be handled and used only in accordance with practices recommended in the Chlorine Manual published by the Chlorine Institute, Inc., New York. Use chlorine gas only in well ventilated areas. Treatment levels of this product and oxidant can best be measured with test kits for either bromine or chlorine. Tests should be made immediately after drawing water samples from the system. Use test kits according to directions: 1. When a bromine test kit is used, results can be read directly as ppm bromine. 2. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor of 2.25.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.